

C6523401

MODEL 780TM M24

Model **SWS** TM

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

Arms Services Repair & Estimate System

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: RE00152583

Serial: C6522332 Model M24 SWS Center Fire
Caliber: 7.62 NATO Produced: 12/18/1990

Repairman:

Verify Repair

Status:

Closed 10/2/2008 3:02:29 PM

Address Information

Customer:

Received From

Return To:

Received From

Name: 178TH INF BN

178TH INF BN

Address 1: HDQ, MDB BLDG A -6139

HDQ, MDB BLDG A -6139

Address 2: CORNER OF PRATT GORHAM

PO Box:

CORNER OF PRATT GORHAM

PO Box:

City: FT. BRAGG

FT. BRAGG

State: NC

Zip Code: 28310

Country: US

State: NC

Zip Code: 28310

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: NN

Fax:

Email:

Comments:

Received Condition

Fair

Condition

Notes:

CSR

Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A045	BiPod	1
A057	Fit and Rear Sgt Base	1

Repair Search

Refresh

Close

nagletj

10/3/2008

9:12 AM

CAPS

NUM

INS

SCPL



Serial Number: C6523401

Model M24 SWS



RE00152581

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-C-0149

R & E NUMBER 152581
SERIAL NUMBER C6523401
LOG-IN DATE 10-2-08

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	10-6-08	RTZ
505	RE-BARREL		
560	ASSEMBLE	10-7-08	L.P.D.
600	PROOF	10-7-08	L.P.D.
605	CHECK HEADSPACE	10-7-08	L.P.D.
610	DIS-ASSEMBLE GUN	10-7-08	L.P.D.
612	MAGNAFLUX	10/11/08	(15)
510	DRILL AND TAP	10-8-08	SP
615	ROLLMARK CALIBER	10/13/08	RT
618	ROTO-BLAST		
620	APPLY COATINGS	10/15	
625	FINAL ASSEMBLY	10-16-08	RTZ
640	FUNCTION TEST AND	10-17-08	L.P.D.
650	TARGET	10-17-08	L.P.D.
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
670	FINAL INSPECTION	10-20-08	RTZ
	A) HEADSPACE	PASS	FAIL
	B) TRIGGER PULL	2.86 2.80 2.84 2.76 2.79	10-20-08 TC
680	F) SAFETY ON FORCE	4.0 4.5 4.5	10-20-08 L.P.D.
	G) SAFETY OFF FORCE	4.0 4.0 4.0	10-20-08 L.P.D.
	I) FIRING PIN INDENT	.020 .020 .020	10-20-08 L.P.D.
690	PACK		10/21/08 Fm

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6523401.___0
FILE DATE AND TIME: 10/20/2008 05:29

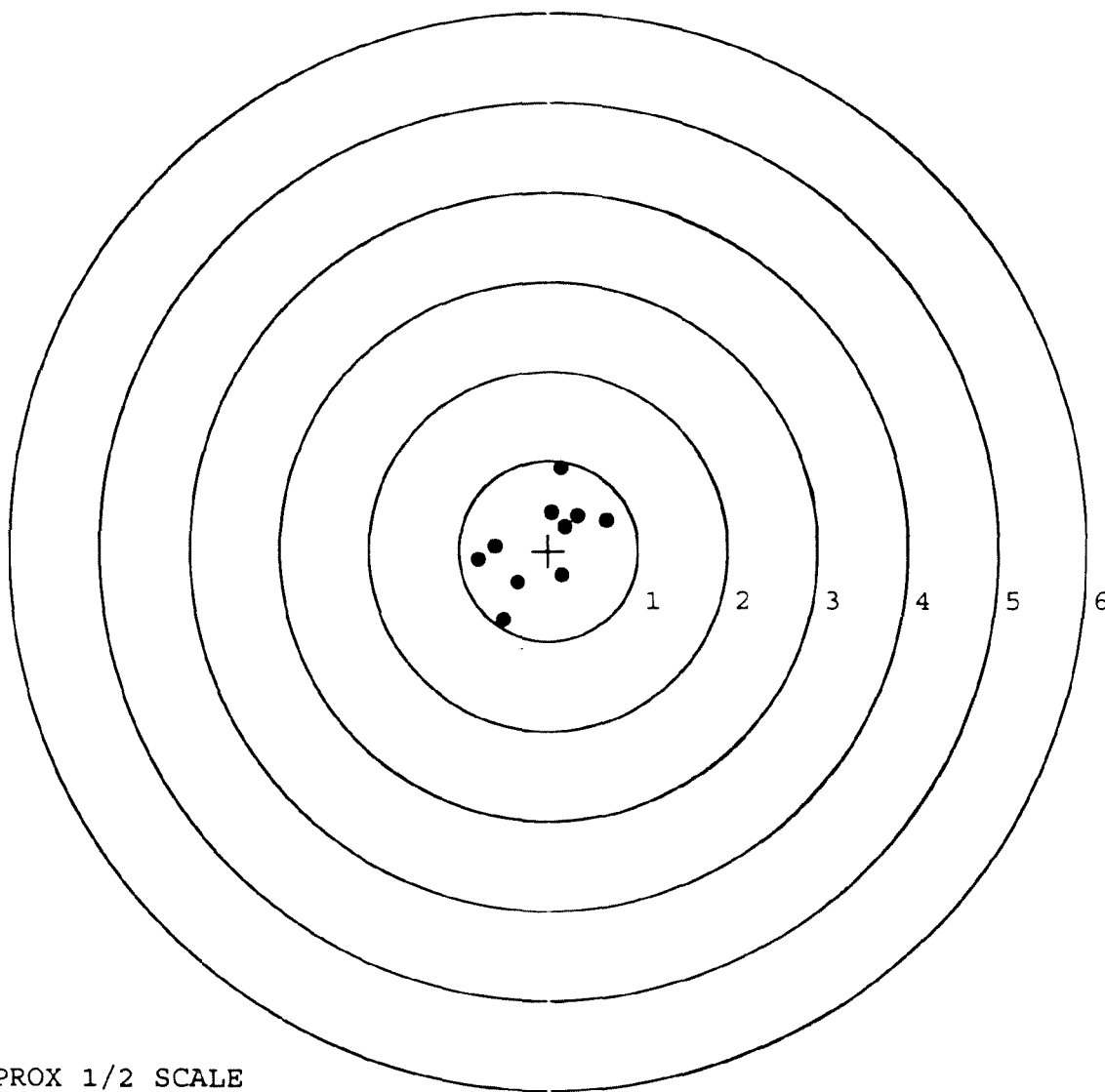
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.066
The Average Y Centroid of the Five Target Set:	0.005
The Average Point of Impact of the Five Target Set:	0.066
The Average Mean Radius of the Five Target Set:	0.563
The Distance from POA to Centroid Target #1:	0.114
The Distance from Centroid Target #2 to Centroid Target #1:	0.123
The Distance from Centroid Target #3 to Centroid Target #1:	0.032
The Distance from Centroid Target #4 to Centroid Target #1:	0.098
The Distance from Centroid Target #5 to Centroid Target #1:	0.232

SERIAL NUMBER: C6523401. __0
TARGET NUMBER: 1
FILE DATE: 10/20/2008
FILE TIME: 05:29

POINT#	X	Y
1:	-0.502	-0.767
2:	-0.348	-0.359
3:	0.144	0.915
4:	-0.785	-0.105
5:	-0.599	0.051
6:	0.151	-0.275
7:	0.653	0.336
8:	0.036	0.422
9:	0.325	0.385
10:	0.181	0.264

X CENTROID: -0.074
Y CENTROID: 0.087
POA TO CENTROID: 0.114
HORZ SPREAD: 1.438
VERT SPREAD: 1.682
GROUP SPREAD: 1.802
MIN RADIUS: 0.311
MAX RADIUS: 0.955
MEAN RADIUS: 0.595
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 10
in 3 IN DIAMETER: 10

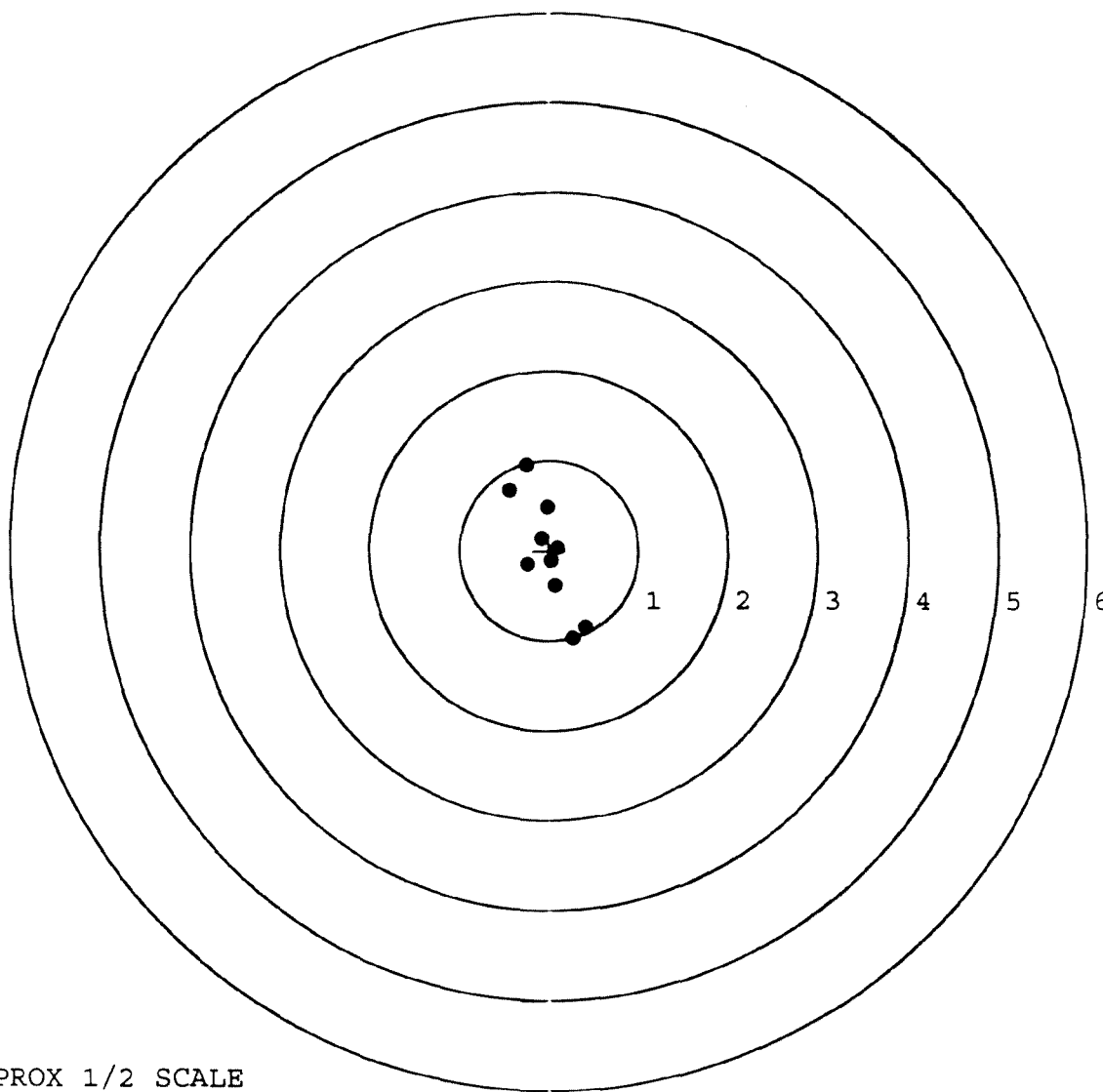


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523401. __0
TARGET NUMBER: 2
FILE DATE: 10/20/2008
FILE TIME: 05:29

X CENTROID: -0.017
Y CENTROID: -0.022
POA TO CENTROID: 0.028
HORZ SPREAD: 0.854
VERT SPREAD: 1.925
GROUP SPREAD: 1.993
MIN RADIUS: 0.106
MAX RADIUS: 1.001
MEAN RADIUS: 0.530
IN 1 IN DIAMETER: 5
IN 2 IN DIAMETER: 9
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.268	-0.974
2:	0.410	-0.860
3:	-0.250	0.951
4:	-0.444	0.670
5:	-0.023	0.484
6:	-0.245	-0.156
7:	0.073	-0.390
8:	0.095	0.031
9:	-0.081	0.139
10:	0.028	-0.118



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523401. __0

TARGET NUMBER: 3

FILE DATE: 10/20/2008

FILE TIME: 05:29

POINT#	X	Y
1:	-0.210	1.489
2:	0.637	0.416
3:	0.378	-0.391
4:	-0.735	-0.181
5:	-0.434	-0.150
6:	-0.223	-0.315
7:	-0.299	0.108
8:	-0.116	-0.221
9:	0.003	-0.004
10:	-0.066	0.155

X CENTROID: -0.106

Y CENTROID: 0.091

POA TO CENTROID: 0.140

HORZ SPREAD: 1.372

VERT SPREAD: 1.880

GROUP SPREAD: 1.970

MIN RADIUS: 0.076

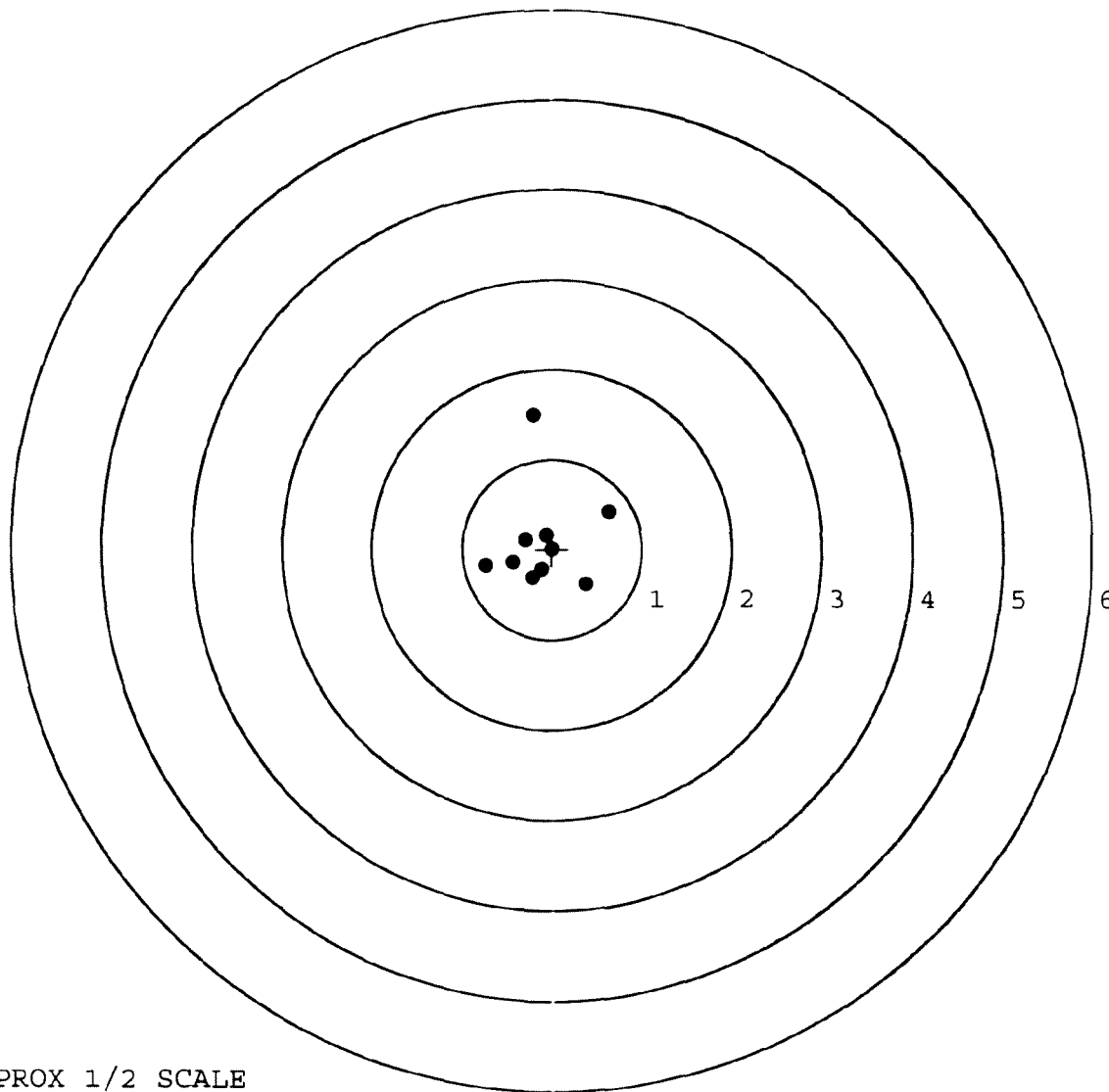
MAX RADIUS: 1.402

MEAN RADIUS: 0.514

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10

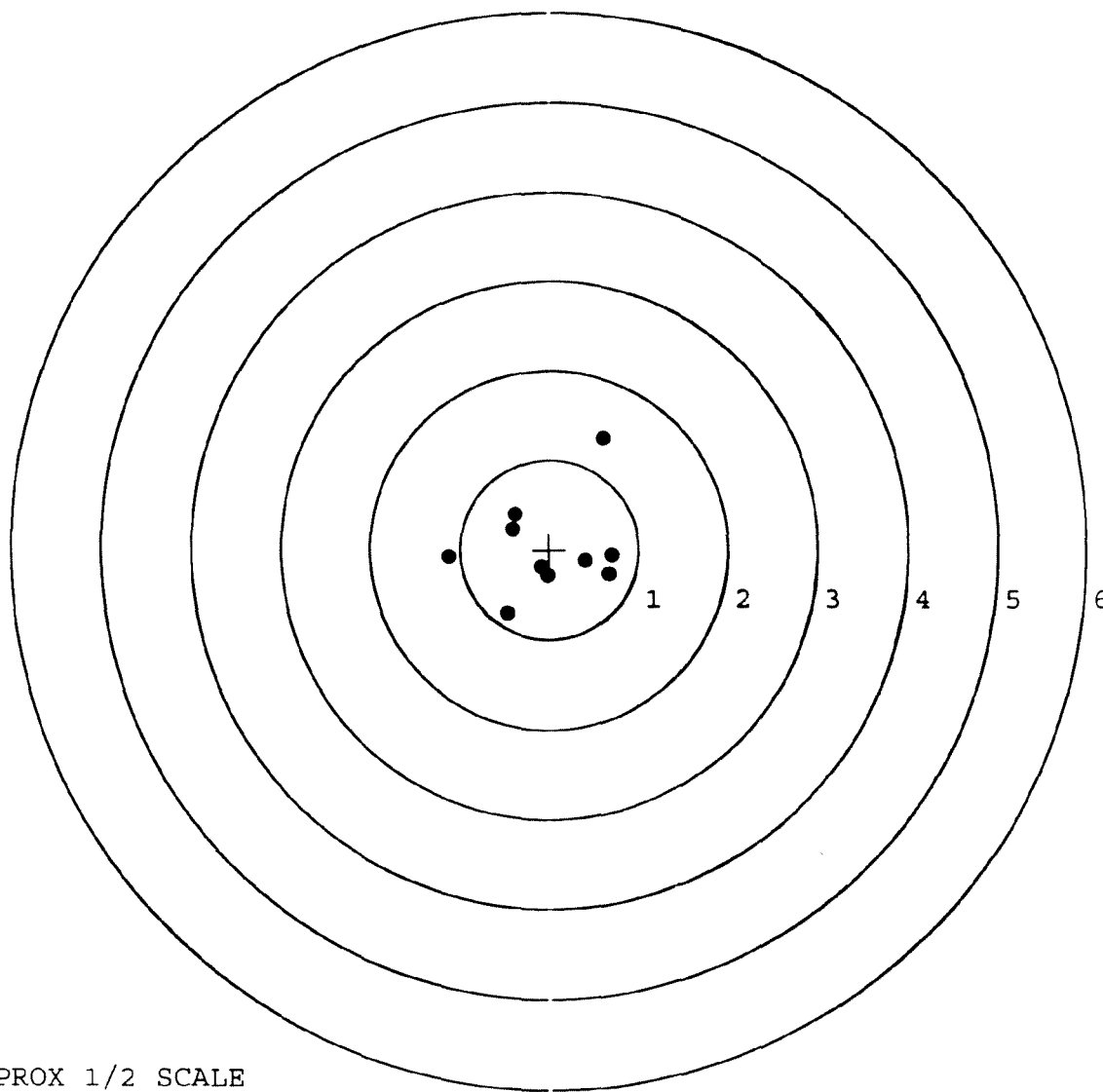


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523401. __0
TARGET NUMBER: 4
FILE DATE: 10/20/2008
FILE TIME: 05:29

X CENTROID: -0.013
Y CENTROID: 0.010
POA TO CENTROID: 0.017
HORZ SPREAD: 1.823
VERT SPREAD: 1.955
GROUP SPREAD: 2.231
MIN RADIUS: 0.223
MAX RADIUS: 1.376
MEAN RADIUS: 0.677
IN 1 IN DIAMETER: 4
IN 2 IN DIAMETER: 8
in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.602	1.241
2:	-1.122	-0.083
3:	-0.472	-0.714
4:	-0.387	0.394
5:	-0.416	0.233
6:	0.701	-0.063
7:	0.671	-0.277
8:	0.403	-0.129
9:	-0.021	-0.298
10:	-0.089	-0.199



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6523401. __0

TARGET NUMBER: 5

FILE DATE: 10/20/2008

FILE TIME: 05:29

POINT#	X	Y
1:	0.527	-1.237
2:	0.367	-0.043
3:	0.418	0.245
4:	-0.366	0.387
5:	-0.300	0.270
6:	-0.584	-0.011
7:	-0.181	-0.419
8:	-0.414	-0.303
9:	-0.274	-0.190
10:	-0.397	-0.101

X CENTROID: -0.120

Y CENTROID: -0.140

POA TO CENTROID: 0.185

HORZ SPREAD: 1.111

VERT SPREAD: 1.624

GROUP SPREAD: 1.853

MIN RADIUS: 0.161

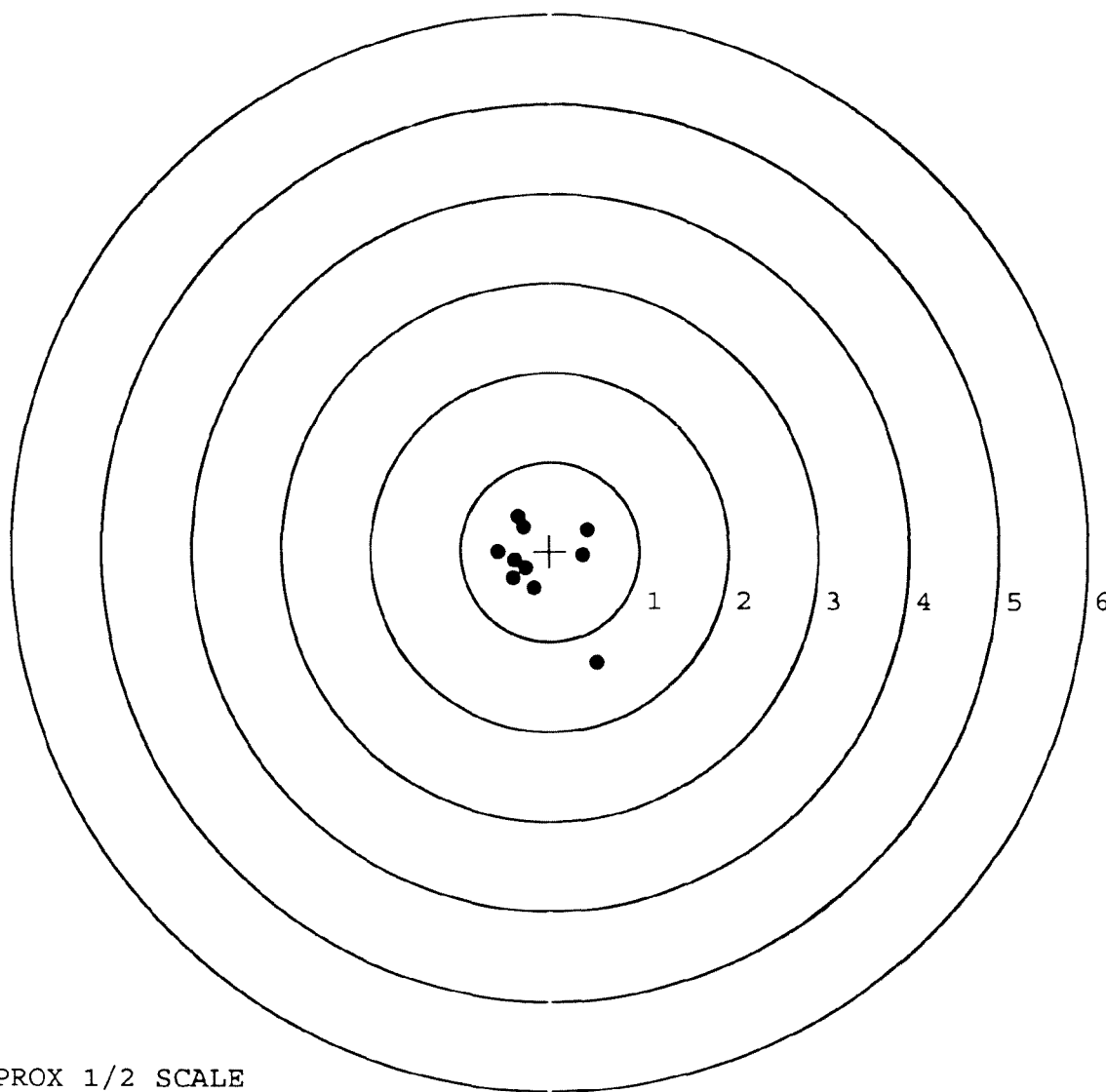
MAX RADIUS: 1.274

MEAN RADIUS: 0.501

IN 1 IN DIAMETER: 7

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

Remington
REGISTRATION OFF

MODEL 700™ M24

MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee

SERIAL NO.
C6523401

ORDER NO.
5716

01

5716 C6523401

UPC

0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # 06523401

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	9 25 90		RW
600	Proof	9 25 90		RW
607	Check Headspace	9 25 90		RW
610	Dis-assemble Gun	9 25 90		RW
612	Magnaflux Barrel Action		9-26-90	KR
	Magnaflux Bolt		9-26-90	KR
615	Rollmark Caliber		9-26-90	GL
617	Drill and Tap Sight Holes		9/28/90	K-13
618	Polish Barrel RB		10/1/90	WB
620	Apply Coatings (Barrel Action)		10-5-90	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/9/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/9/90	RW
	C) Inspect Ejector Hole for Chamfer		10/9/90	RW
	D) Oil Firing Pin Ass'y		10/9/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		10/17/90	JH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 3/4	4 3/4	4 3/4			10/18/90	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			10/18/90	WB
	H) Trigger Pull Test & Retainability						10/17/90	WB
	I) Firing Pin Indent	.0205	.0205	.0205			10/18/90	WB
	J) Assemble Stock						10/22/90	RW
	K) Assemble Swivel Studs						2/10/90	WB
	L) Attach Front and Rear Sight Assemblies						10/22/90	RW
	M) Iron Sight Alignment						10/22/90	RW
	N) Detach Front & Rear Sights & place in numbered container						10/22/90	RW
	O) Attach Scope to Rifle						10/22/90	RW
	P) Detach & Attach Scope 20 Times						10/22/90	RW
640	Gallery Target & Test						10-25-90	D/H
	A) Time						10-25-90	D/H
	B) Malfunctions						10-25-90	D/H
	C) Pierced Primers						10-25-90	D/H
	D) Optical Clarity of Scope						10-25-90	D/H
645	Inspect for Live Ammo						10-25-90	D/H
655	Final Inspection						2/10/90	WB
	A) Headspace						2/10/90	WB
	B) Trigger Pull	216	207	218	215	205	2/10/90	WB
	C) Function						2/10/90	WB
660	Pack						12-17-90	D/H

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# + .50#
3.00# + .75#
4.00# + 1.00#

SERIAL NO C6523401
DATE 10/17/90
TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.13	2.43	2.42	2.16	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.44	2.46	2.15	2.07	
PULL #3	2.45	2.44	2.26	2.18	
PULL #4	2.49	2.50	2.25	2.15	
PULL #5	2.41	2.45	2.30	2.05	
TOTAL	11.92	12.28	11.38		
AVG.	2.384	2.456	2.276		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.43	3.26		
PULL #2	3.25	3.27		
PULL #3	3.47	3.32		
PULL #4	3.39	3.35		
PULL #5	3.30	3.27		
TOTAL	16.84	16.47		
AVG.	3.368	3.294		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.44	4.35		4.36
PULL #2	4.16	4.33		4.35
PULL #3	4.40	4.31		4.33
PULL #4	4.36	4.34		4.37
PULL #5	4.34	4.39		4.33
TOTAL	21.7	21.72		21.74
AVG.	4.34	4.344		4.348

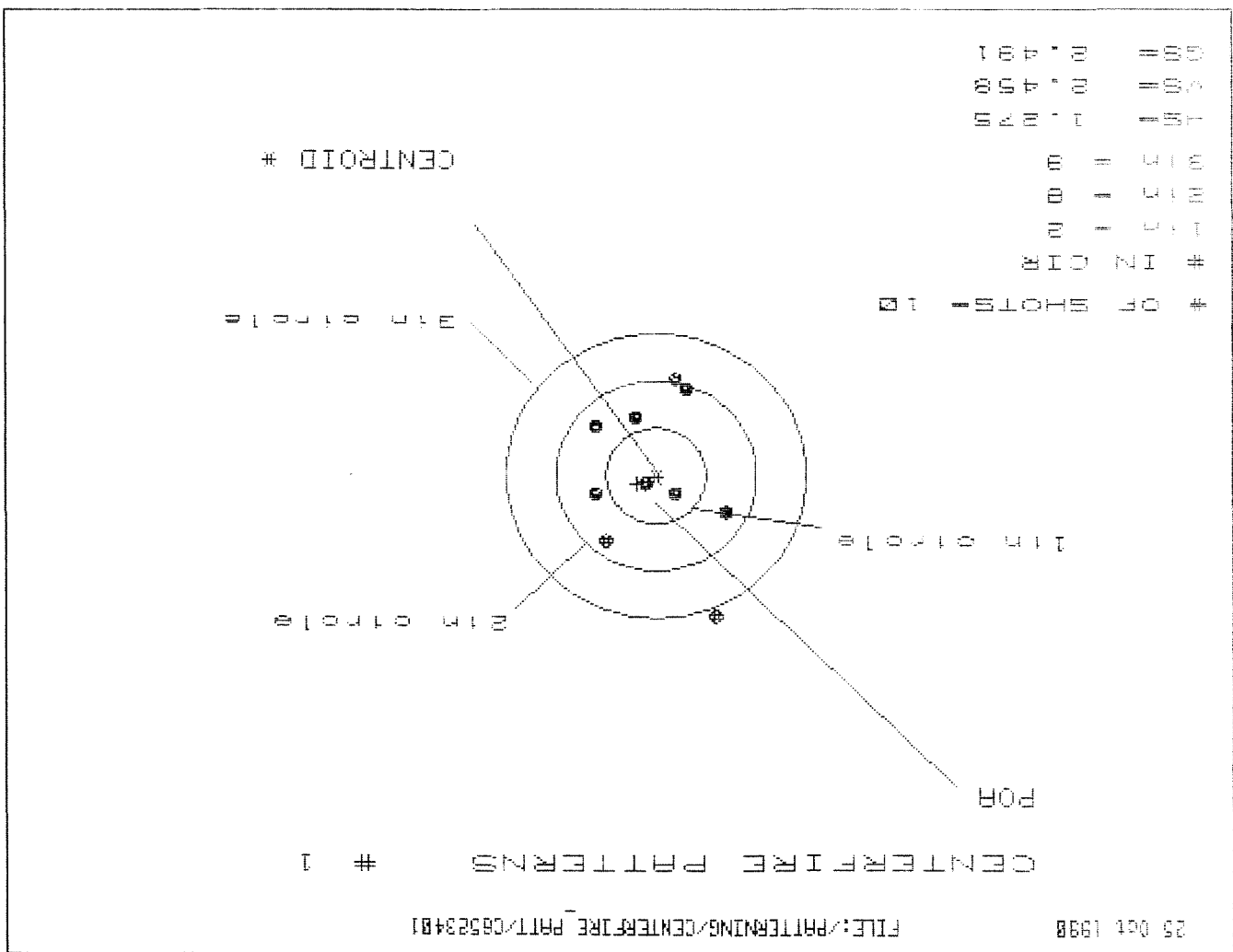
CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6523401
25 Oct 1990

CENTROIDAL DISTANCES

0 TO	1	.222697
1 TO	2	.261467
1 TO	3	.151172
1 TO	4	.156732
1 TO	5	.237756

⌘ (----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1494
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0276
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .151928
THE AMR FOR THIS RIFLE IS: .8354



PATTERN # 1

SHOTS (BEST OF) : 10

MAXIMUM X : .576

MINIMUM X : -.699

MAXIMUM Y : 1.462

MINIMUM Y : -.996

CENTROID X : -.205

CENTROID Y : -.087

POB TO CENTROID IN.: .223

MIN RADIUS : .186

MEAN RADIUS : .754

MAX RADIUS : 1.594

HORIZONTAL SPREAD : 1.275

VERTICAL SPREAD : 2.458

EXTREME SPREAD : 2.491

NUMBER IN ONE INCH CIRCLE = 2

NUMBER IN TWO INCH CIRCLE = 8

NUMBER IN THREE INCH CIRCLE = 9

MAXIMUM X : .505

MINIMUM X : -.770

MAXIMUM Y : .856

MINIMUM Y : -.834

CENTROID X : -.134

CENTROID Y : -.249

POB TO CENTROID IN.: .283

MIN RADIUS : .173

MEAN RADIUS : .651

MAX RADIUS : .951

HORIZONTAL SPREAD : 1.275

VERTICAL SPREAD : 1.690

EXTREME SPREAD : 1.833

NUMBER IN ONE INCH CIRCLE = 2

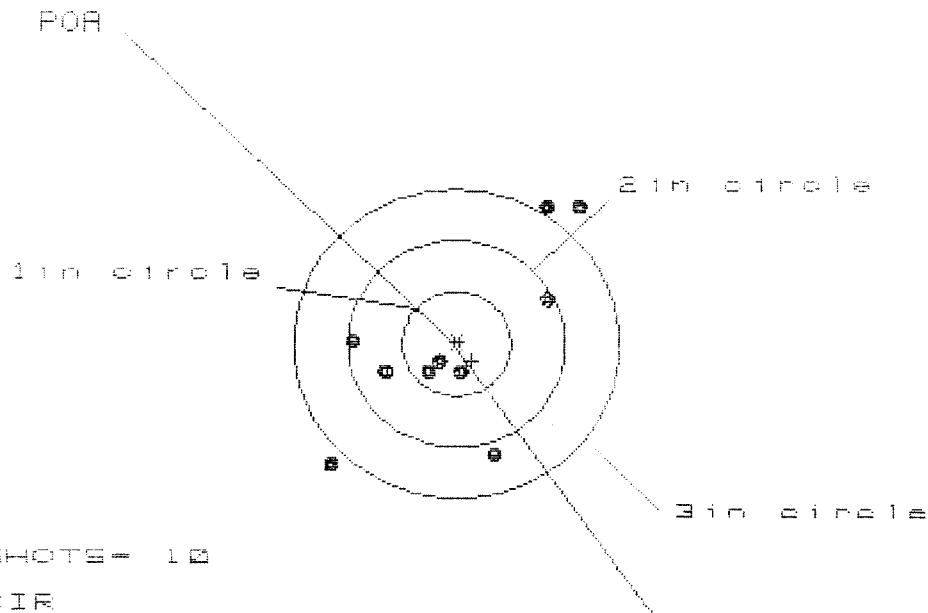
NUMBER IN TWO INCH CIRCLE = 8

NUMBER IN THREE INCH CIRCLE = 9

25 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06523401

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 3

2in = 6

3in = 7

HM = 2.338

VM = 2.495

GM = 3.419

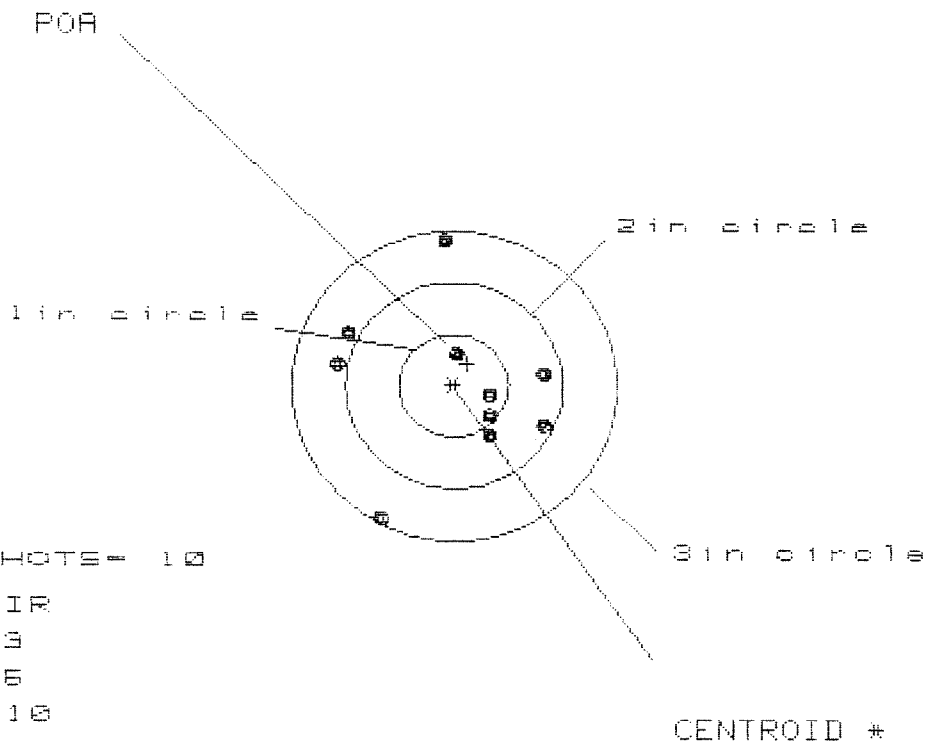
CENTROID *

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.166	.997	.867
MINIMUM X	:	-1.172	-1.042	-.953
MAXIMUM Y	:	1.338	1.481	1.355
MINIMUM Y	:	-1.157	-1.008	-1.029
CENTROID X	:	-.139	-.269	-.139
CENTROID Y	:	.166	.017	.143
POR TO CENTROID in.	:	.216	.269	.199
MIN RADIUS	:	.240	.081	.218
MEAN RADIUS	:	.954	.793	.759
MAX RADIUS	:	1.775	1.785	1.608
HORIZONTAL SPREAD	:	2.338	2.039	1.820
VERTICAL SPREAD	:	2.495	2.489	2.384
EXTREME SPREAD	:	3.419	3.218	2.444
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		7	

25 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06523401

CENTERFIRE PATTERNS # 3



OF SHOTS= 10

IN CIR

1in = 3

2in = 6

3in = 10

HS= 1.929

VS= 2.778

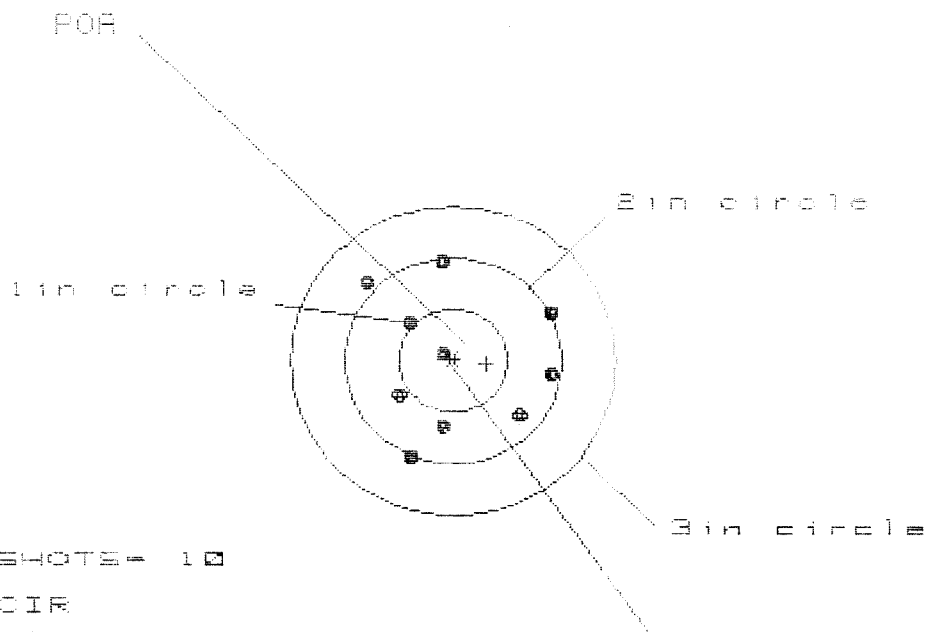
GS= 2.856

PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.863	.786	.773
MINIMUM X	-1.066	-1.143	-1.155
MAXIMUM Y	1.462	1.316	.551
MINIMUM Y	-1.316	-.620	-.455
CENTROID X	-.123	-.046	-.034
CENTROID Y	-.214	-.068	-.233
POA TO CENTROID in.	.247	.082	.235
MIN RADIUS	.339	.218	.248
MEAN RADIUS	.862	.780	.683
MAX RADIUS	1.485	1.320	1.172
HORIZONTAL SPREAD	1.929	1.929	1.929
VERTICAL SPREAD	2.778	1.936	1.006
EXTREME SPREAD	2.856	2.067	1.999
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		10	

25 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/08523481

CENTERFIRE PATTERNS # 4



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 7

3 in = 10

HS = 1.766

VS = 1.921

GS = 1.951

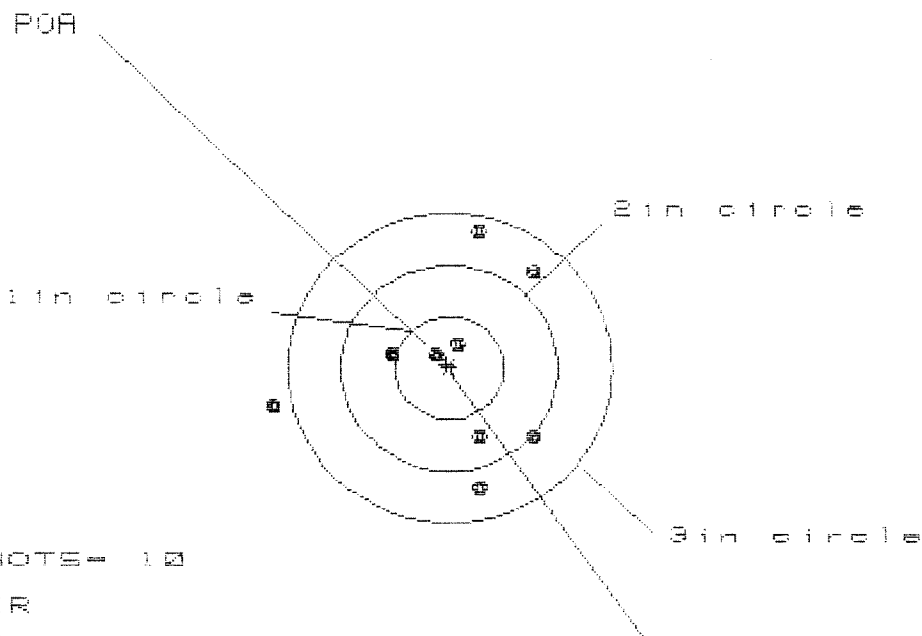
CENTROID *

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.931	.838	.780
MINIMUM X	-.835	-.595	-.653
MAXIMUM Y	.960	1.047	.938
MINIMUM Y	-.962	-.874	-.614
CENTROID X	-.307	-.214	-.156
CENTROID Y	.032	-.055	.054
POA TO CENTROID in.	.309	.221	.165
MIN RADIUS	.126	.244	.274
MEAN RADIUS	.768	.727	.698
MAX RADIUS	1.149	1.060	.963
HORIZONTAL SPREAD	1.766	1.433	1.433
VERTICAL SPREAD	1.921	1.921	1.552
EXTREME SPREAD	1.951	1.945	1.617
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

25 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6523401

CENTERFIRE PATTERNS # 5



OF SHOTS - 10

IN CIR

1 in = 3

2 in = 5

3 in = 9

10 = 2.484

20 = 2.429

30 = 2.768

CENTROID #

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.822	.637	.644
MINIMUM X	:	-1.662	-.706	-.699
MAXIMUM Y	:	1.286	1.243	1.048
MINIMUM Y	:	-1.143	-1.186	-1.031
CENTROID X	:	.027	.212	.205
CENTROID Y	:	-.035	.008	-.147
POA TO CENTROID in.	:	.044	.212	.253
MIN RADIUS	:	.196	.226	.367
MEAN RADIUS	:	.839	.755	.698
MAX RADIUS	:	1.707	1.244	1.202
HORIZONTAL SPREAD	:	2.484	1.343	1.343
VERTICAL SPREAD	:	2.429	2.429	2.079
EXTREME SPREAD	:	2.768	2.429	2.144
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		9	